

Buryatiya, by I. I. Galaktionov, 2 pp.

RUSSIAN, bk, ~~Pa~~ Buryatiya, 1959, extracts pp 4-91.
(Call No. HC337 B9G14 Eng Tr)

Army Map Service

USSR
Geog
May 63

A HIGH-SPEED TRANSISTORIZED MULTIPLICATION CIRCUIT,
BY A. F. SMIRNOV, 13 PP.

RUSSIAN, BK, BYCHISLITEL'NAYA I INFORMAT TERH, SBORNIK
MATERIALOV KINFERENTSI PO OBRABOTKE INFORMAT, MASHIN-
NOMU PEREVODU I AVTOMATICHESKOMU CHTENIYU TEDSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961 GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21446

SCI-MATH & DATA PROC
OCT 63

346,570

ALTERNATING CURRENT ADDRESS SYSTEM POWER SUPPLY,
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RUSSIAN, BK, BYCHISLITEL'NAYA I INFORMAT TEKH, SBORNIK
MATERIALOV KINFERENTSII PO OBRABOTKE INFORMAT, MASHIN-
NOUM PEREVODU I AVTOMATICHESKOMU CHTENIYU TEDSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961 GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21446

SCI-MATH & DATA PROC
OCT 63

346,584

CONTEMPORARY PROBLEMS OF SCIENTIFIC AND TECHNICAL
INFORMATION, BY A. I. MIKHAYLOV, 9 PP.

RUSSIAN, BK, ~~BY~~CHISLITEL'NAYA I INFORMAT TEKH, SBORNIK
MATERIALOV KONFERENTSII PO OBRABOTKE INFORMAT, MASHIN-
NOMU PEREVODU I AVTOMATICHESKOMU CHTENIYU TEKSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961 GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21446

SCI-MATH & DATA PROC

OCT '63

246,573

COMPARISON OF PARAMETERS OF FERRITE-DIODE, FERRITE
TRANSISTOR, SEMICONDUCTOR AND VACUUM TUBE LOGICAL
CIRCUITS, BY B. I. PEREL'MAN.

RUSSIAN, BK, ~~BY~~CHISLITEL'NAYA I INFORMAT TEKH, SBORNIK
MATERIALOV KINFERENTSI I PO OBRABOTKE INFORMAT, MASHIN-
NOMU PEREVODU I AVTOMATICHESKOMU CHTENIYU TEKSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961 GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21446

SCI-MATH & DATA PROC
OCT. 63

346,575

TRAN

CONSTRUCTION OF A HIGH-CAPACITY MAGNETIC MEMORY UNIT,
BY K. K. BRILING, YU. KH. KRIVORUTSKIY, 7 PP.

RUSSIAN, BK, BYCHISLITEL'NAYA I INFORMAT TEKH, SBORNIK
MATERIALOV KINFERENTSII PO OBRABOTKE INFORMAT, MASHIN-
NOUM PEREVODU I AVTOMATICHESKOMU CHTENIYU TEDSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961, GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21446

SCI-MATH & DATA PROC
OCT. 63

346,589

CURRENT TRENDS IN THE DEVELOPMENT OF MAGNETIC OPERATIVE
MEMORY UNITS, BY R. V. SMIRNOV, 20 PP.

RUSSIAN, BK, BYCHISLITEL'NAYA I INFORMAT, MASHIN-
NOUM PEREVODU I AVTOMATICHESKOMU CHTENIYU TEDSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961, GODA,
MOSCOW, 1962, PP1-222.

JPRS 21446

SCI-MATH & DATA PROC
OCT. 63
MAGNETI

346,586

EXPERIENCE IN THE INDUSTRIAL EXPLOITATION OF THE MOZU-
1000 MAGNETIC MEMORY DEVELOPMENT OF THE LEM VINITI, BY
N. A. KARAL'NIK, 6 PP.

RUSSIAN, BK, BYCHISLITEL'NAYA I INFORMAT TEKH, SBORNIK
MATERIALOV KINFERENTSII PO OBRABOTKE INFORMAT, MASHIN-
NOUM PEREVODU I AVTOMATICHESKOMU CHTENIYU TEDSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961 GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21446

SCI-MATH & DATA PROC
OCT. 63

346,583

INDUSTRIALLY PRODUCED MAGNETIC FERRITE ELEMENTS,
BY K. I. KURBAKOV, V. I. KUZNETSOV, 31 PP.

RUSSIAN, BK, BYCHISLITEL'NAYA I INFORMAT TEKH, SBORNIK
MATERIALOV KINFERENTSII PO OBRABOTKE INFORMAT, MASHIN-
NOUM PEREVODU I AVTOMATICHESKOMU CHTENIYU TEDSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961 GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21446

SCI-MATH & DATA PROC
OCT.

63

346,579

45

ON FUNDAMENTALS FOR DESIGNING MACHINES FOR INFORMATION
PROCESSING, BY ~~AM~~ A. M. VASIL'YEV, 11 PP.

RUSSIAN, BK, ~~BY~~CHISLITEL'NAYA I INFORMAT TEKH, SBORNIK
MATERIALOV KONFERENTSII PO OBRABOTKE INFORMAT, MASHIN-
NOMU PEREVODU I AVTOMATICHESKOMU CHTENIYU TEKSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961 GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21446

SCI-MATH & DATA PROC
OCT. 63

346,574

THE LEM-1-24 GENERAL-PURPOSE AUTOMATIC COMPUTER BASED
ON FERRITE-DIODE MODULES, BY A. I. POSTERNAK,
I. I. PANFILOVA, ET AL, 9 PP.

RUSSIAN, BK, BYCHISLITEL'NAYA I INFORMAT TEKH, SBORNIK
MATERIALOV KINFERENTSII PO OBRABOTKE INFORMAT, MASHIN-
NOVM PEREVODU I AVTOMATICHESKOMU CHTENIYU TEDSTA,
SOSTOYASHEYSYA Y MOSKVE 24-31 YANVARYA 1961 GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21446

SCI-MATH & DATA PROC
OCT 63

346,581

LONG TERM MEMORY DEVICES, BY K. I. KURBAKOV, 41 PP.

RUSSIAN, BK, BYCHISLITEL'NAYA I INFORMAT TEKH, SBORNIK
MATERIALOV KINFERENTSII PO OBRABOTKE INFORMAT, MASHIN-
NOUM PEREVODU I AVTOMATICHESKOMU CHTENIYU TEDSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961 GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21446

SCI-MATH & DATA PROC
OCT 63

346,582

MAGNETIC DRUM MEMORY UNITS WITH PHASE INSCRIPTION, BY
V. I. BABIY, 10 PP.

RUSSIMAN, BK, BYCHISLITEL'NAYA I INFORMAT TEKH, SBORNIK
MATERIALOV KINFERENTSII PO OBRABOTKE INFORMAT, MASHIN-
NOUM PEREVODU I AVTOMATICHESKOMU CHTENIYU TEDSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961 GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21446

SCI-MATH & DATA PROC
OCT. 63

346,583

MAGNETIC MEMORY UNIT INCORPORATING MAGNETIC CONTROL
MOZU-1000. CERTAIN FACTORS INVOLVED IN ADJUSTING
INDUSTRIAL MODELS, BY N. I. GRYAZNOV, P. V. DYATLOV,
10 PP.

RUSSIAN, BK, BYCHISLITEL'NAYA I INFORMAT TEKHN, SBORNIK
MATERIALOV KINFERENTSI I PO OBRABOTKE INFORMAT, MASHIN-
NOUM PEREVODU I AVTOMATICHESKOMU CHTENIYU TEDSTA,
SOSTOYASHEYSYA V MOKVE 24-31 YANVARYA 1961 GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21446

SCI-MATH & DATA PROC
OCT. 63

346,587

PARAMETRON OUTPUT UNITS, BY A. G. FEDOTENKOV,
V. N. OZEROV, 14 PP.

RUSSIAN, BK, BYCHISLITEL'NAYA I INFORMAT TEKH, SBORNIK
MATERIALOV KINFERENTSI I PO OBRABOTKE INFORMAT, MASHIN-
NOUM PEREVODU I AVTOMATICHESKOMU CHTENIYU TEDSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961 GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21446

SCI-MATH & DATA PROC
OCT. 63

346,585

PULSE-TYPE POWER PACK FOR THREE-CYCLE MAGNETIC
ELEMENTS, BY B. M. PAUFILOV, 7 PP.

RUSSIAN, BK, BYCHISLITEL'NAYA I INFORMAT TEKH, SBORNIK
MATERIALOV KINFERENTSI PO OBRABOTKE INFORMAT, MASHIN-
NOUM PEREVODU I AVTOMATICHESKOMU CHTENIYU TEDSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961 GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21446

SCI-MATH & DATA PROC
OCT 63

346,500

SEMICONDUCTORS IN DEVICES FOR THE CONTROL OF A MAGNETIC
DECODER AND IN RAPID-CARRY KEYS FOR PARALLEL-ACTION
FERRITE-DIODE CIRCUITS, BY B. I. PEREL'MAN, 37 PP.

RUSSIAN, BK, BYCHISLITEL'NAYA I INFORMAT TEKHN, SBORNIK
MATERIALOV KINFERENCE I PO OBRABOTKE INFORMAT, MASHIN-
NOMU PEREVODU I AVTOMATICHESKOMU CHTENIYU TEKSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961 GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21446

SCI-MATH & DATA PROC
OCT. 63

346,577

TRANSISTOR AND FERRITE TRANSISTOR ELEMENTS, BY
N. D. FEDOTOV, 11 PP.

RUSSIAN, BK, BYCHISLITEL'NAYA I INFORMAT TEKH, SBOENIK
MATERIALOV KINFERENTSII PO OBRABOTKE INFORMAT, MASHIN-
NOMU PEREVODU I AVTOMATICHESKOMU CHTENIYU TEKSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961 GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21446

SCI-MATH & DATA PROC
OCT 63

346,576

Decennial of the Institute of High Molecular
Compounds of the Academy of Science of the
USSR; Sixth (Jubilee) Conference of the
Institute, 13 pp.

RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya,
Vol I, No 1, 1959, pp 166-172.

SLA 60-18524

203,531

Sci

Jun 62

(NY-4486).

1st All-Union Conference on Nucleic Acids and
Nucleoproteins, by V. S. Tongur, P. I. Tseytlin,
3 pp.

RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya, Vol II
No 5, 1960, pp 817-822.

JPRS 5387

1 - Nuc Phys
2 60

125,143

USSR Academy of Sciences Electronic Computer (Magnetic Memory Device), by A. A. Pavlikov, 128 pp.

RUSSIAN, bk, Bystrodaystvuyushchaya Elektronnaya Schetnaya Mashina AN SSSR (Magnitnoye Zapominoyushcheye Ustroystvo), Moscow, 1957, 76 pp.

ATIC F-TS-9703/V
available OTS

Sci - Electronics
Nov 59

102,422

High-Speed Ferromagnetic Memory Units, by
L. P. Krayzner, 404 pp.
RUSSIAN, bk. Vysrodeystviyushchiye Ferromagnitnye
Zapominayushchiye Ustroystva, 1964, pp 1-371.
F100135268-V
FTD-MT-66-62

Sci-Mat
Jul 68

359,991

The M-2 High-Speed Computer, by M. A. Kartsev,
T. M. Aleksandridi, V. D. Knyazev, et al,
470 pp.

RUSSIAN, bk, Bystrodeystviyushchaya
Vychislitel'naya Mashina M-2, 1957, pp 228.
9661544

ATIC MCL-162/1

Sci. - Electron
Jul 61
Telecom 41319

159,254

Rapid Methods for the Determination of Noxious
Substances in the Air, by Ye. A. Peregud, Ye. V.
Gernet, M. S. Bykhovskaya. 103 pp.
RUSSIAN, book, Bystryye Metody Opredeleniya Vred-
nykh Veshchestv v Vozdukhe, 1962, pp 9-10, 17-41,
47-59, 62-70, 80-97, 182-186, 253-254.
AIR/FTD-HC-23-1401-68

Aug 71

(FDD 28105).

Be Vigilant Always and Everywhere, by P. Mus'yakov,
99 pp.

RUSSIAN, monograph, Byt' Bditel'nyy Vseгда i Vseгда,
Moscow, 1954, pp 1-72.

CIA/FDD U-8762

38,833

UBER

Mil

Aug 56 CTS/DEX

Astronomy for Advanced Students,

RUSSIAN, per, Byullete, No 35 of the
Astronomical Observatory Kazan State Univ,
1960 Chapter IKP & S Chapter II, p 18.

✓ATIC MCL-1338/1

Sci - Astron

Jul 61

TD-27-539

(DC-4700)

Instruction on the En Procedure for
Awarding Bonuses to Personnel of
Design Organizations, bx 19 pp.

RUSSIAN, per, Byulleten', No 10, 1961,
pp 9-17.

JPRS 13136

190,898

USSR
Econ
Apr 62

(DC-8 4700)

Statute on Bonuses to Personnel of State
Farm Trusts, by 4 pp.

RUSSIAN, per, Byulletin', No 10, 1961,
pp 22-24.

JPRS 13136

USSR
Econ
Apr 62

190,902

Instructions for Maintaining Work Record Books at Enterprises,
Institutions, and Organizations, 12 pp.

RUSSIAN, per, Byulleten', No 9, 1963, pp 13-20.

JPRS 22459

USSR
Econ
Jan 64

245, 485

Decree on Improvement of Labor Standardization
in Industry, 11 pp.
RUSSIAN, per, Byulleten', No 9, Sep 1964, pp
10-16.
JPRS 28734

USSR
Econ
Mar 65

276,075

Regulation of the Council of National Economy
USSR of 5 August 1964, No. 873, 5 pp.
RUSSIAN, per, Byulleten', No 9, Sep 1964, pp
19-21.
JPRS 28734

USSR
Econ
Mar 65

276,076

Spectroheliographic Observations Carried Out on the
Kazobili Mountain During 1941-1944, by Sh. N.
Chkhaidze, N. I. Georgobiani, 3 pp. UNCL

RUSSIAN, per, Byul Abastumanskoy Astrofiz. Observ.,
No 15, 1953, pp 169-260. CIA 644139

ATTC 7-ES-9724/III

Sci - Astron
Apr 59

85,042

Manifestation of Solar Activity in Eruptions, by
T. S. Razmadze. UNCLASSIFIED

RUSSIAN, per, Byulleten' Abastumani Astrofizicheskaya
Observatoriya, No 16, 1954, pp 59-138.

*ATIC F-TS-9783/V

Sci - Astronomy
18/11/58

Spectroheliographic Observations on Kanobili Mt.
From 1945-1947, by Sh. K. Chkhaidze, 1 pp. *UNCL*

RUSSIAN, per, Byul Abastumanskoy Astrofiz Observ,
No 16, 1954, pp 149-272. CIA 644541

ATIC F-TS-9783/III

Sci - Astron
Apr 59

Study of the Polarization of Radiation From the
Solar Corona on Observation of Total Solar
Eclipse on 25 Feb 1952, by M. A. Vashakidze, 31 pp.

RUSSIAN, per, Byul Abastumani Astrofiz Obser, No 17,
1954, pp 3-24.

ATIC MCL-241/III

Sci - Astron

Dec 60

134,610

Certain Results of Electrophotometric Observations of the OI, Na and OH Emissions and the Continuum in the Airglow, by L. M. Fishkova, G. V. Markova, 20 pp.

RUSSIAN, per, Byul Abastumani Astrophysical Observatory, No 24, 1959, pp 161-173. 96788903

FTD-TT-62-1076

217,605

Sci-Phys
Dec 62

Byul Ak Med Nauk

Full translation (6 vol, 36 issues)
Consultants Bureau
~~\$235.00~~ 60.00

to the reference of solutions of salts of the same
nature. By A. R. Sobol, 9 pp.

USSR, Acad. Sci. USSR, Mat. No 9, 1984,
p. 113-114. 9089977

USSR 97-5112

Mat. - Phys
Mat. 62

207,504

On Intrinsically Perfect Methods of Summation,
by V. M. Derevsky, 11 pp.

RUSSIAN, per, Byull Ak Nauk URSS, Ser Math, Vol X,
1946, pp 97-104.

SIA Tr R-1

Jan 1957

Sci - Math
Apr 1957

46,141

The Representation of Multi-Component Systems, by
R. L. Pevsner, A. S. Berezhnoy.

RUSSIAN, per, Byul Ak Nauk USSR, No 1, 1947,
pp 113-.

DSIR LLU M.1394
(loan)

Sci - Math

Sep 60

127,037

What the Fourth International Congress of
Sociologists Showed, by P. N. Fedoseyev, 9 pp.

RUSSIAN, per, Byul Ak Nauk USSR, Jan 1960.

CIA/FDD X-4472

USSR

Pol

Nov 60

122, 247

Toward Close International Cooperation in the Field
of Atomic Research, by V. S. Emelyanov, 16 pp.

RUSSIAN, per, Byul Ak Nauk SSSR, Feb 1960.

CIA/FDD X-4473

Sci - Phys

Nov 60

122,349

On Fish Behavior in the Zone Before a Trawl Under
the Influence of the Electric Field of an Alter-
nating Current and Mechanical Stimulus, by

V.A.Shentyakov.

RUSSIAN, per, Bull. Akad Nauk SSSR Inst Biol Vod,
1960, no.8/9, pp.46-49.

OTS-TT-64-19881

B/M
Aug 66

307,764

Golubev, V. N.
ÜBER DIE STELLUNG DER HALBSTÄUCHER IN DER
EVOLUTIONSREIHE DER LEBENSFORMEN VON DEN
BAUMEN ZU DEN KRÄUTERN (On the Position of
Shrubs in the Evolution Life of the Living Forms from
the Trees to Herbs). 7p. (text in German).
Order from T.I.B. \$1.55

Trans. of Akademiya Nauk SSSR, Glavnyi Botaniches-
kof Sad, ~~Byulleten~~ 1960, vyp. 36.

DESCRIPTORS: *Plants, *Genetics, *Trees.

62-27027

- I. Golubev, V. N.
- II. T.I.B.
- III. Technische Informations-
bibliothek Hannover.

Office of Technical Services

TT-64-13094

Kozyrskii, G. Ya. and Petrunin, G. A.
THE EFFECT OF THE DEGREE AND TEMPERATURE
OF PRIOR DEFORMATION ON THE CREEP OF NICK-
EL (Vliyanie Stepeni i Temperatury Predvaritel'noi
Deformatsii na Polzuchest' Nikelya). Jun 63 [12p]
(foreign text included) 9refs [DSIR] NLL M. 5402.
Order from OTS, SLA, or ETC \$1.60 TT-64-13094

Trans. of Akademiyi Nauk URSR, Kiev, Instytut
Metallfizyky, Sbornik Nauchnykh Rabot 1962, no. 16,
p. 39-43.

- I. Kozyrskii, G. Ya.
- II. Petrunin, G. A.
- III. DSIR-NLL-M. 5402
- IV. International Nickel Co.
(Mond) Ltd., London
(England)

(Metallurgy--Structural, TT, v. 12, no. 2)

Office of Technical Services

NCH-200 582

Field 11F

Tumanov, V. I.; Funke, V. F.
SURFACE TENSION OF IRON-GROUP METALS AND THE
WETTING OF Al_2O_3 . Jan 65, 22p (foreign text included)
11refs. NLL-M.5624.
Order from NLL as M.5624

Trans. of Akademiya Nauk URSS, Kiev. Institut
Metallokeramiki i Spetsialnykh Splavov. Byulleten,
p141-61 1963.

I. International Nickel Co.
(Mond) Ltd.,
London, (England)

Tsesovich, V. [p.]
COMPUTATIONS OF THE ELEMENTS OF THE
ORBITS OF THE ECLIPSING STARS OF THE TYPE
OF ALGOL: TABLES. [1963] 48p. (foreign text
included).
Order from OTS or SLA \$4.60 63-14920

Trans. of [Akademiya Nauk SSSR. Institut Teoretich-
eskoi Astronomii. Byulleten'] n.d., v. 3, no. 45,
p. 115-152.

DESCRIPTORS: *Stellar eclipses, *Variable stars,
*Stars, Optical properties, Mathematical analysis,
Astronomical data, *Tables, Astronomy, Photometry.

(Astronomy--Astrophysics, TT, v. 10, no. 9)

63-14920

I. Tsesovich, V. P.

Office of Technical Services

Tsesovich, V. P.
PHOTOMETRIC PHASES OF THE ECLIPSES OF
VARIABLE STARS OF THE ALGOL TYPE: TABLES.
[1963] [37] p. 6 refs.
Order from OTS or SLA \$3.60 63-14921

Trans. from [Akademiya Nauk SSSR, Institut
Teoreticheskoi Astronomii, Byulleten'] p. d. [v. 3]
no. 30.

DESCRIPTORS: *Stellar eclipses, *Variable stars,
Optical properties, Mathematical analysis, Astro-
nomical data, Tables, Astronomy, *Stars,
Photometry.

The paper consists of two parts. In the first part the
photometric phases for an annular eclipse are com-
puted. The computations are based on the assumption
that the darkening of the disk of the eclipsed star
(Astronomy--Astrophysics, TT, v. 10, no. 9) (over)

63-14921

I. Tsesovich, V. P.

Office of Technical Services

Zhongolovich, I. D. and Kullkov, D. K.
CONDITIONS OF APPLICATION OF STOKES' CLASSIC
FORMULA [AND] THE USE OF ANALYTICAL COM-
PUTERS FOR MULTIPLYING TRIGONOMETRIC SE-
RIES. [1962] [31]p. 18 refs. ACIC RR-40-(F-G).
Order from OTS or SLA \$3.60 62-25441

Trans. of Akademiya Nauk SSSR. Institut Teoreticheskoi
Astronomii. Byulleten' 1949, v. 4, no. 6(59)
p. 270-286.

DESCRIPTORS: *Computers, *Numerical methods and
procedures, Determination, Earth, Geometric forms,
*Trigonometry, *Series, *Geodesics, Gravity
anomalies.

(Earth Sciences--Geodesy, TT, v. 9, no. 10)

62-25441

- I. Title: Stokes' formula
- I. Zhongolovich, I. D.
- II. Kullkov, D. K.
- III. Title: Use ...
- IV. ACIC RR-40-(F-G)
- V. Aeronautical Chart and
Information Center,
St. Louis, Mo.

Office of Technical Services

62-15988

BULLETIN OF THE INSTITUTE OF THEORETICAL
ASTRONOMY, ACADEMY OF SCIENCE USSR, 1953,
VOL. 5, NO. 8(71): [SELECTED ARTICLES]. [962]
(184)p. 48 refs. ACIC RR-40.
Order from OTS or SLA \$13.00

62-15988

Trans. of Akademiya Nauk SSSR. Institut Teoreticheskoi Astronomii. 'Byulleten', 1953, v. 5, no. 8(71)
p. 461-539.

DESCRIPTORS: Astronomy, *Astronomical data,
Navigation charts, *Moon, *Computers.

Contents:

Summary of the Conference on the "Astronomical
Yearbook of the USSR"

The Astronomical Yearbook of the USSR and the basic
tasks of ephemeris astronomy, by M. F. Subbotin
"The Astronomical Yearbook of the USSR", a brief
(Astronomy, TT, v. 8, no. 7) (over)

1. Title: Ephemeris
1. ACIC RR-40
- II. Aeronautical Chart and
Information Center,
St. Louis, Mo.

Office of Technical Services

Shmakova, M. Ya. and Sochilina, A. S.
 APPROXIMATE DETERMINATION OF THE CIRCULAR
 ORBIT OF AN ASTEROID. [1963] 8p 4refs
 Order from OTS, SLA, or ETC \$1.10 TT-63-20613

Trans. of [Akademiya Nauk SSSR] Institut
 Teoreticheskoi Astronomii. [Byulleten'], 1958, v. 7,
 no. 1(84) p. 72-75. (Abstract available)

DESCRIPTORS: *Numerical methods and procedures,
 Analytic geometry, *Circular orbit trajectories,
 *Orbital trajectories, *Asteroids, Celestial mechanics.

A method is proposed for determining the radius of the
 circular orbit which is based on the replacement of the
 condition of the circular orbit $v_2 - v_1 = ka^{-3/2}$
 $(t_2 - t_1)$ by the approximate equality $\gamma = ka^{-3/2}$
 $(t_2 - t_1)$, where γ is the known angle between the
 geocentric directions. The value of the radius found
 from this condition is either a good first approximation,
 or (in the majority of cases) its final value. (Author)

TT-63-20613

I. Shmakova, M. Ya.
 II. Sochilina, A. S.

(Astronomy--Astrophysics,
 TT, v. 11, no. 3)
 Office of Technical Services

THE ERRORS IN NUMERICAL INTEGRATION OF
THE EQUATIONS OF CELESTIAL MECHANICS:
TRANSLATION OF RUSSIAN PAPERS, tr. by
E. C. Hubbard and Blanche M. Hubbard. 17 Aug 61
[53]p. 5 refs.
Order from OTS or SLA \$5.60

61-28369

Trans. of [Akademiya Nauk SSSR]. Institut Teoreticheskoi Astronomii. "Byulleten", 1959, v. 7, no. 4(87)
p. 257-286.
Other translations of each article available elsewhere.

DESCRIPTORS: *Celestial mechanics, *Differential equation, Integration, Errors, Theory, Numerical methods and procedures.

Contents:

The estimation of the error resulting from numerical
(Astronomy--Astrophysics, TT, v. 6, no. 12) (over)

61-28369

I. Naval Weapons Lab.,
Dahlgren, Va.

162157

Office of Technical Services

Batrakov, Yu. V.

THE DETERMINATION OF PRELIMINARY ORBITS
OF ARTIFICIAL SATELLITES FROM OBSERVATIONS
THE TIMES OF WHICH ARE ONLY KNOWN AP-
PROXIMATELY (Opredelenie Pervonachal'nykh Orbit
Iskusstvennykh Sputnikov Iz Nablyudenii, Momenty
Kotorykh Ivestny Priblizhenno) tr. by J. W. Palmer.
Sep 60 [20p] 2refs RAE Library Trans. no. 919;
AD-246 605.

Order from OTS, SLA, or ETC \$1.60 TT-63-24313

Trans. of [Akademiya Nauk SSSR] Institut
Teoreticheskoi Astronomii, Byulleten', 1960, v. 7,
no. 7(90) p. 570-580. (Abstract available)

DESCRIPTORS: *Satellites (Artificial), *Orbital
trajectories, Determination, Numerical methods and
procedures. Equations, Vector analysis.

(Engineering--Satellite Vehicles, TT, v. 11, no. 2)
(over)

TT-63-24313

- I. Batrakov, Yu. V.
- II. RAE Trans-919
- III. AD-246 605
- IV. Royal Aircraft Establish-
ment (Gt. Brit.)

Office of Technical Services

Myachin, V. F.
CRITERION FOR CHANGING THE INTEGRATION
STEP IN NUMERICAL INTEGRATION OF EQUATIONS
OF CELESTIAL MECHANICS BY THE GENERALIZED
RUNGE METHOD. Sep 62 [9]p. 2 refs.
Order from ARS in its journal, v. 32, no. 9, \$3.00

Trans. of [Akademiya Nauk SSSR]. Institut Teoreticheskoi Astronomii. Byulleten', 1961, v. 8, no. 2(95)
p. 134-152.

DESCRIPTORS: *Celestial mechanics, Mechanics,
*Differential equations, *Integration, Numerical
methods and procedures.

(Astronomy--Astrophysics, TT, v. 9, no. 1)

63-12225

- I. Myachin, V. F.
- II. American Rocket Society,
New York
- III. Research Information
Service, New York

Office of Technical Services

61-28000

Vlodavetz, V. I.
PASSIVE AND ACTIVE DEFENSE FROM THE CAT-
ASTROPHIC ERUPTIONS OF VOLCANOES (Passiv-
naya i Aktivnaya Zashchita pri Katastroficheskih
Vulkanov) tr. by M. Slessers. 1961 [33]p. 10 refs.
HO Trans-110.
Order from OTS or SLA \$3.60 61-28000

Trans. of [Akademiya Nauk SSSR, Kamchatskaya
Vulkanologicheskaya Stantsiya, Kiyuchi]. (Byulleten'
Vulkanologicheskoi Stantsii [na Kamchatke] 1959,
no. 28, p. 79-91.

DESCRIPTORS: *Volcanoes, *Damage control.

A review of major volcanic eruptions in the past and
present constitutes the basis for analysis of various
types of volcanic activity in the world with a view to
pointing out the necessary protective steps to be taken
(Earth Sciences--Geology, TT, v. 7, no. 4) (over)

- I. Vlodavetz, V. I.
- II. HO Trans-110
- III. Navy Hydrographic Office,
Washington, D. C.

Office of Technical Services

Petrov, O. M.
THE STRATIGRAPHY OF THE QUATERNARY DE-
POSITS OF THE SOUTHERN PARTS OF THE
CHUKOTSK PENINSULA
M. C. Blake, tr. [1964] [29p] 15refs
Order from OTS, SLA, or ETC \$2.60 TT-64-15215

Trans. from (Akademiya Nauk SSSR. Komissiya po
Izucheniyu Chetvertichnogo Perioda. Byulleten') 1963,
no. 28.

(Earth Sciences--Geology, TT v. 12, no. 2)

TT-64-15215

I. Petrov, O. M.
II. Geological Survey,
Washington, D. C.

Office of Technical Services

The Problem of Selecting a Radar Transmitter for
Radar Observation of Meteor Trails, by F. I.
Peregudov, 3 pp.

RUSSIAN, per, Byul Ak Nauk SSSR, Komissia po
Kometam i Meteoram, No 2, 1958, pp 44-45. 9668694

Amer Meteorol Soc T-R-397

Sci - Electron
May 63

Preservation of th Natural Resources and Forestry
in the USSR.

RUSSIAN, per, Byul Akad Nauk SSSR, Komiss po
Okhrane Prirody, No 4, 1960, pp 136.

*PL 480

OTS V 1 6, No 10

Starik, I. E. and Zharkov, A. P.
THE APPLICATION OF THE RADIOCARBON METHOD
TO INVESTIGATIONS OF MODERN SEDIMENTATION
PROCESSES (Primenenie Radiouglerodnogo Metoda k
Issledovaniyu Protsssov Sovremennogo Otsadkova-
koplenniya) tr. by Ivan Mittin. 1963 [19]p. (foreign
text included) 15 refs.
Order from OTS, SLA, or ETC \$1.60 TT-63-19598

Trans. of Akademiya Nauk SSSR, Komissiya po
Opredeleniyu Absolyutnogo Vozrasta Geologicheskikh
Formatsii. Bulleten', 1962, no. 3, p. 33-42.

DESCRIPTORS: *Sedimentation, Oceans, *Ocean
bottom sampling, *Geologic age determination,
Scintillation counters, Marine geology, Geochemistry,
Oceanology.

(Earth Sciences--Oceanography, TT, v. 11, no. 1)

TT-63-19598

I. Starik, I. E.
II. Zharkov, A. P.
III. Geological Survey,
Denver, Colo.

Office of Technical Services

LYANZINA, G. A.
DETERMINATION OF THE PROPAGATION VE-
LOCITY OF ELASTIC WAVES FOR SMALL GASES
IN THE STUDY OF THE SUBSURFACE SEISMIC
PROPERTIES. [1961] 2p.
Order from ATS \$16.65

ATS-01N54R

Trans. of Akademiya Nauk SSSR, Sovet [po]
Seismologii i Byull[eteni] 1960, no. 8, p. 217-225.

DESCRIPTORS: Propagation, Velocity, *Seismic
waves.

(Earth Sciences--Seismology, TT, v. 6, no. 12)

61-25728

I. Lyanzina, G. A.
II. ATS-01N54R
III. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Nitric Acid Processes Used in the Manufacture of Cellulose.

RUSSIAN, per, Bull Assoc Tech Ind Papetiere, Vol III,
No 2, 1949, pp 32-37.

Possibly to Come From Contacts
per 10 Dec 62 memo
USIB INTERNAL USE ONLY

USSR- Econ
Sci - Chem

Dec62

Results of the Gravitational Observations in the
Groznyy Region in 1928, by B. Numerov.

RUSSIAN, per, Byull Astron Inst, No 23, 1929,
pp 21-25.

ACIC

Sci - Geophys

203, 178

Jun 62

Determinations of Gravity Along the Severnaya Dvina
River and Its Tributaries in 1928, by A. Gizhitakiy.

RUSSIAN, per, Byull Astron Inst, No 23, 1929, pp 25-26.

ACIC

Sci - Geophysics

Jun 62

203,179

Special Geodetic Assignment: XLII, Bulletin
No. 47, 1939 of the (Leningrad) Astronomical
Institute, 31 pp.

ASTRON INST
RUSSIAE, per, Bulletin No 47, Leningrad,
1939, pp 211-226.

N° SIR-3610

USSR
Sci - Astronomy
May 59

87,128

Special Geodetic Assignment: XLIII, Bulletin
No. 49, 1939 of the (Leningrad) Astronomical
Institute, 21 pp.

ASTRON INST
RUSSIAN, per, Bulletin, No. 49, Leningrad,
1939, pp. 271-282.

AF 81R-3009

USSR
Sci - Astronomy

May 59

87,129

Stokes' Formula for the Case of an Ellipsoidal
Level Surface, by V. D. Zagrebin.
RUSSIAN, per, Byulleten' Astronomicheskogo In-
stitutu Akademii Nauk SSSR, No 52, 1941, p
pp 407-435.
AGIC TC-929

Sci/Earth Sci
Mar 67

320,666

Diffusion of Meteoric Trails, by O. V.
Dobrovol'skiy, 24 pp.
RUSSIAN, per, Byulleten Astronimicheskaya
Observatoriya, Stalinabad, 1952, No 1,
pp 15-26.
OTS TT-64-71280

Jul 66

305,405

A Survey of Radar Observations of Meteor
Activity, Conducted at the Engel'gardt
Astronomical Observatory from May 1956
Through August 1958, by Yu. A. Papishev,
7 pp.

RUSSIAN, per, Byul Astron Observator Kazan
Univer, No 35, 1960. 9671693

FTD MCL-1338/1

Sci - Aero
29 Nov 61

171, 866

The Apparatus of the Engel'gardt Astronomical
Observatory for Radar Observations of Meteors,
by K. V. Kostyev, Yu. A. Pupshev,
V. V. Sidorov, 23 pp.

RUSSIAN, per, Izvestiya Astronomicheskoy Observatorii Kazan
~~Univ~~ Univer, No 35, 1960. 9671693

FTD MCL-1338/1

Sci - Aero

29 Nov 61

178, P6P

A Comparison of Three Types of Mirror-Lens Systems,
by T. S. Belorossova.

RUSSIAN, per, Byulleten Astron Observ Komitet
Sluzhby Vremeni Pulkovo, Vol XXII, No 169, 1961,
pp 114-122.

*~~CONF~~ Corp

Sci-Engr

Dec 63

Byul Eksper
Biol i Med

Byl Exper Biol i Med

Beginning 1956 available Consultants Bureau
in full translation of each issue.
By subscription \$95.00

On the Question of the Mechanism of Specific
Bacteriolysis, by A. G. Israelimskiy, 7 pp.

Byd
RUSSIAN, per, ~~Exptl Biol i Med~~ Eksp'tl Biol i Med, Vol XII,
1929, pp 334-337.

SLA R-3394

Sci

Aug 59

95,046

The Dependence of the Process of Metamorphosis of
Axolotls on Factors of Age, Coloring, and Sex,
by L. P. Lipchina, 12 pp.

RUSSIAN, per, Byul Eksper Biol i Med, Vol XIII,
1929, pp 73-78.

19,458

AEC Tr No 1975

Scientific - Medicine

Now 54 CTS

Changes in the Electrical Sensitivity of
the Eye during the Course of the Day, by
A. I. Bogoslovskiy, 6 pp.
RUSSIAN, per, Byulleten' Eksperimental'noi
Biologii i Meditsiny, Vol 3, 1937. pp 140-
142. P911049768
AEC UCRL-Trans-10167

Sci-B&M
Mar 68

350,678

On the Effect of Sound on the Electrical
Sensitivity of the Eye, by A. I. Bogoslovskiy,
9 pp.

RUSSIAN, per, Byulleten' Eksperimental'noi
Biologii i Meditsiny, Vol 3, 1937, pp 329-332.

P911048768

ADC UCRL-Trans-10168

Sci-B&M
Mar 68

350,676

On the Question of Fusion of Light Flicker
brought about by Electrical Stimulation of
the Eye (Preliminary Communication), by
A. I. Bogoslovskiy, 10 pp.
RUSSIAN, per, Byulleten' Eksperimental'noi
Biologii i Meditsiny, Vol 3, 1937, pp 333-
336. P911043468

AEC UCRL-Trans-10169

NTC 71-13777-06P

Sci-B&M

Mar 68

350,679

Form-Developing Potentials of Skin in the Process
of Regeneration; I. Participation of Alien
Skin in the Process of Regeneration of a Limb
of the Axototl, by O. G. Goltzman, 10 pp.

RUSSIAN, per, Byull Eksp. Biol i Med, Vol VIII,
No 2, 1939, pp 119-122. CIA D 151336

RT-3842
USSR

NIH
24, 661
Scientific - Medicine

OTB 69/Jun 55

Revo, M. V. and Abdullin, Kh. Kh.
B ANTHRACIS IN COLLOID SACS IN THE RABBIT
ORGANISM. [1961] 3p. CWL Trans. 42; Misc Tr 452.
Order from OTS or SLA \$1.10 61-19725

Trans. of Byulleten' Eksperimental'noy Biologii
Meditsiny (USSR) 1939, v. 8, no. 3/4, p. 226-227.

DESCRIPTORS: *Bacillus anthracis

(Unannounced)

61-19725

- I. Revo, M. V.
- II. Abdullin, Kh. Kh.
- III. CWL Trans-42
- IV. CWL Misc Tr-452
- V. Army Chemical Corps,
Port Detrick, Md.

184117

Office of Technical Services

Byull Eksp. Biol. i Med. Vol 10, # 1-2, 8-11 (1940)

Period of Stay of Carcinogenic Substances at
the Place of Introduction + Ways of their
Elimination from the Organism.

M. L. Feldman

T. E. Furman

Done by Nat. Inst. of Health
Bethesda, Md.

* X-24

Chemical Nature of the Active Substance Appearing
in the Sympathetic Ganglion During the Stimulation
of its Preganglions Fibers, 7 pp.

RUSSIAN, per, Byulleten Eksperimental'noi Bio-
logii i Meditsiny USSR, Vol XI, No 5, 1941,
pp 432-434.

K H 1184 a

Sci-B&M

Jul 66

307,257

On the Problem of Changes in Physico-
Chemical and Biological Properties of
Pilots' Saliva During Rolling, Turning,
and Hypoxia, by V. V. Yefimov,
B. V. Tolokonnikov, et al, 8 pp.
RUSSIAN, per, Byulleten' Eksperimental'noy
biologii i Meditsiny, Vol XIII, No 5,
1942, pp 44-47. P100073866
FTD-TT-65-1645

Sci-BGM
Jan 67

317,478

Effect of Nicotinic Acid on the Coagulability of Blood,
by L. A. Cherkes, et al. UNCLASSIFIED

RUSSIAN, per, ^{CR}Byull. Khim. Biol. Med. Vol XIV,
No 11-12, 1942, pp 50-53.

Assoc Tech Ser,
6972R

Price: \$6.00 ± (.75)

Scientific - Chemistry

18,099

Modification of the Carbon Rate C/N in Yperite
Poisoning, by A. I. Aivazyan, 5 pp.

RUSSIAN, per, Bulleten' Eksperimental'noi Bio-
logii i Meditsiny, Vol XV, No 1-2, 1943, pp 29-32.

Sci Trans Center RT-581

Scientific - Medicine
CTS/DMX

10,954

Modification of the Urine Oxidizing Coefficient
 Vo_2/N in Iperite Poisoning, by A. I. Azvazyan, 6 pp.

RUSSIAN, per, Bulleten' Eksperimental'noi Biologii i
Meditsiny, Vol XV, No 1-2, 1943, pp 32-35.

SLA R-1073
Sci Trans Center RT-582

10,955

Scientific - Medicine
CTS/DEX

Byrd Ek Bio i Med. Vol XV, #1-2, p60-2 (1943)

On the Influence of Rapid Re-Warming on Blood
Pressure + Respiration in Acute Hypothermia

M. Stamolina

Done by Sci Mus Lib
Res. Brit — # 58/1893
AEC to 1945
Brooklyn

Physiology of Stasis Due to Cold, by N. A.
Arkhangel'skaya, 6 pp.

RUSSIAN, per. Biulleten' Eksperimental'noi
Biologii i Meditsiny, Vol XV, No 3, 1943, pp 17-19.

1
2
1

Sci Trans Center RT-583

Scientific - Biology
CTS/DEX

10,961

Byul Chs Biol & Med. No 3, 1949 P. 63-5

"The Effect of Certain Pharmacology
Remedies on Visual Acuity Under
Conditions of Faint Illumination
and Reduced Barometric Pressure"

Proj 595-9

ST-73

SR 17 July 1950

Zbarskii, T. B.

EFFECT OF HEXONE BASES ON THE GROWTH OF
CANCEROUS TUMORS IN MICE

H. Norris, tr. 18 Jan 49, 5p (tables omitted) 2 refs
Order from OTS, SLA, or ETC \$1.10 TT-60-19709

Trans. of Byull[eten'] Eksper[imental'noi]
Biol[ogi i Meditsiny] (USSR) 1944, v. 18, no. 4,
p. 15-18.

DESCRIPTORS: Mice, Neoplasms, *Cancer, Growth,
Medical research, Biochemistry.

(Biological Sciences--Pathology, TT, v. 11, no. 3)

TT-60-19709

- I. Title: Hexone bases
- I. Zbarskii, T. B.
- II. National Institutes of
Health, Bethesda, Md.

Office of Technical Services

Anaphylactic Contraction of Skeletal Muscle,
by A. D. Ado, A. G. Ginetzinskiy.

RUSSIAN, per, ~~RUSSIAN~~ ~~English~~ ~~Med~~ : Medit,
Vol XVIII, No 4-5, 1944, pp 64-67.

HLA RTS 2219
(loan)

Sci - Biol & Med
Jul 63

238,110

Nature of Electric Potentials of the
Tonguepharyngeal Nerve During Taste
Irritation of the Tongue, by
G. T. Sakhiulina, 6 pp.
RUSSIAN, per. Byull Eksper Biol i
Meditsiny, Vol XIX, 1944, pp 66-68.
P100002367
FTD-HT-66-199

Sci - B&M
Feb 67

318,776

The Problem of Biological Nature of Viruses, by A. A. Smorodintsev.

RUSSIAN, [✓]Bulleten Eksperimental'noi Biologii i Meditsiny, Vol ~~XX~~ XIX, Nos 1, 2, 1945, pp 3-13.

USDA

Scientific - Biology

12,621

May CTS/DEX

HISTOLOGICAL Observations on Transplanted
Periosteum, by E. S. Danini, S. I. Kasheverov,
4 pp.

RUSSIAN, per, Byul Eksper Biol i Med, Vol
XIX, 1945, pp 22, 23.

NIR 2-30

Sci - Med

Mar 59

82,787

Byul Chos Biol i Hae, No 1-2, 1946 P. 28-31

Carcinogenic Substances in the
Organism II Distrib of benzopyrene
in the Organism etc by I.P. Plindov

Done by PHS X-8
Copy for back files

Byul Elis Biol i med, no 1-2, 1976 P 31-33

Carcinogenic Substances in the
Organism III - Do Carcinogenic
Hydrocarbons Penetrate etc "
Savonov & Zabolotny

Done by PHS X-10
C. J. for left file

Paraneurotic Changes in Normal and Malignant Cells.
Vital Staining of Cancerous and Normal Cells Under
Physiological Conditions and the Action on Them of
Paraneurotic Agents, by Y. Ayzenberg, 5 pp.

RUSSIAN, per. Byulleten' Eksper Biolog i Medit,
Vol XXI, No 2-2, 1946, pp 33-36.

- 11 -

Sci Trans Center RT-102

USSR

Scientific - Medicine

8669

Jan 54 CTS

Byull Eksp Biol i Med Vol 22 (3) p 9-11 (1946)

State of Carcinogenic Substances in the
Organism. Report IV.

H. S. Friedman

Done by Nat. Inst. of Health
Bethesda, Md.

Fi. # 1-27.

Byull. Eksp. Bio i Med - Vol 22, # 5, p 20-23 (46)

State of Carcinogenic Substances in the
Organism. Report I.

B.I. Vigdorovich

Done by Nat. Inst. of Health
Bethesda, Md.

Tr. # X-28

The Effect of Adenosine Triphosphate and the
Products of Its Dissociation on Isolated Frog
Heart, by F. D. Sheikhon,
RUSSIAN, per, Byulleten Eksperimentalnoi
Biologii i Meditsiny, Vol XXI, No 5, 1946,
pp 40-42.
CEPSTI TT 65-63252

Sci-B&M
May 67

326,937